



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> : C07D 307/58, A61K 31/34, A01N 43/08, C08F 224/00, C23F 14/02, 15/00		A1	(11) International Publication Number: <b>WO 99/54323</b>
			(43) International Publication Date: 28 October 1999 (28.10.99)
(21) International Application Number: PCT/AU99/00285		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: 16 April 1999 (16.04.99)			
(30) Priority Data: PP 2978 16 April 1998 (16.04.98) AU			
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(54) Title: PRODUCTION OF FURANONES

## (57) Abstract

The present invention relates to the side chain functionalisation of fimbrolides (halogenated 3-alkyl-5-methylene-2(5H)-furanones) and their synthetic analogues, that yields fimbrolides substituted with a halogen, an oxygen or a nitrogen functionality in the alkyl chain, especially fimbrolide alcohols, carboxylate and sulfinate and sulfonate esters, ethers, aldehydes, ketones, acids, amides, nitro derivatives, hydrophobic, hydrophilic and fluorophilic alkyl derivatives and polymers.

